Fermilab Today

Tuesday, April 17, 2007

Calendar

Tue., April 17
8 a.m. - 6 p.m.
LoopFest VI - 1 West
3:30 p.m.
DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
4:00 p.m.
THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wed., April 18
8 a.m. - 6 p.m.
LoopFest VI - 1 West
THERE WILL BE NO FERMILAB ILC R&D MEETING THIS WEEK
3:30 p.m.
DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
4:00 p.m.
Fermilab Colloquium - 1 West
Speaker: R. Socolow, Princeton University Title: Stabilization Wedges and the Management of Global Carbon for the Next 50 Years

Click here for NALCAL, a weekly calendar with links to additional information.

Weather

Partly cloudy 65°/35°

Extended Forecast
Weather at Fermilab

Current Security Status

Secon Level 3

Wilson Hall Cafe

Feature

First buffalo babies arrive

A newborn buffalo calf rests near its mother. The calf was one of three baby bison born over the weekend. (Click on photo for larger version)

The weekend birth of three fuzzy, frolicking and even feisty buffalo calves kicked off spring at Fermilab, where up to nine calves are expected to be born. The calves happily rested and played during Monday's sunny afternoon. "I think they're cute and fluffy," said Steve Whiteaker of Roads & Grounds. "They go through an ugly duckling phase when they get older, but right now everyone loves them."

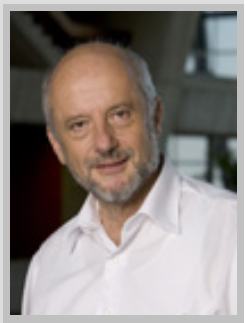
The herd has ten cows and six are assumed to be still pregnant. "We just wait and see," Witeaker said, adding that the herd is off to a typical start. "The end of March, early April, is when the calves start being born." A typical calf weighs 30 to 40 pounds and is light brown and a little wrinkly.

A mama cow shows that she's ready to give birth when she moves toward the trees in the 75-acre pasture. "In a perfect situation, we let them do everything on their own," Whiteaker said of the birthing. When more calves are born, they will go for trots around the pond after breakfast, sometimes taking a clumsy tumble.

Anyone can come and visit the buffalo, but not near the barn, which is for grounds crew only. The Buffalo farm is the most popular attraction at the lab after the physics itself, Whiteaker said, adding that Roads & Grounds receives many calls about the herd. Visiting hours for the buffalo (the proper name is American bison) are between 8 a.m. and 8 p.m. now that daylight hours are longer. You can read about the bison in the lab's Nature/Ecology web pages. Call Roads & Grounds at 630-840-3303 for more information, or visit the Tours

Director's Corner

Steering



Pier Oddone

We have entered a very challenging period for our field, especially the part of the field based on accelerator facilities. By the end of the decade, the exciting programs at the Tevatron, the PEPII B-Factory and CESR will be complete. The contributions of facilities in the US to the global particle physics program will then be based solely on the Main Injector at Fermilab for a program with neutrinos and test beams. If we were building the ILC early in the next decade, the US program could tolerate a large gap in physics productivity as the price to secure the ILC, just as CERN has done during the building of the LHC.

As Undersecretary Orbach has explained in his remarks to HEPAP and in his recent article in Symmetry Magazine, the problem arises if one considers that the ILC is likely to move much more slowly than along its technically-limited schedule. The cost, the complexity of international arrangements and the need to have concrete physics results from the LHC all argue that the process to secure the ILC will be lengthy and difficult. In this context it is important to develop a roadmap for the US accelerator-based physics program at Fermilab that provides opportunity for discovery over a possibly extended period.

Constructing such a roadmap is no small task. We want to ensure that we can build the ILC as early as possible if we line up all the conditions to give us that opportunity. At the same time we want to have a program with discovery potential that challenges and maintains our accelerator strength through a period of undetermined duration so we can ultimately build the ILC or another major global facility. To steer this effort I have appointed a Steering Group with broad representation from the community under the leadership of Fermilab Deputy Director Young Kee Kim. You can find the charge and the members of the committee on Steering Group Web site.

Tuesday, April 17
-Chicken & rice soup
-Cowboy burger
-Baked meatloaf w/ gravy
-Smart Cuisine parmesan baked fish
-Peppered beef
-Assorted slice pizza
-Chipotle chili & queso nachos supreme

Wilson Hall Cafe Menu

Chez Leon

Wednesday, April 18
Lunch
-Southwest Cornish hen
-Chipotle sweet potatoes
-Vegetable of the season
-Poached pears w/ raspberry sauce

Thursday, April 19
Dinner
- Field greens w/ pears and shaved parmesan
- Chilean sea bass w/ white wine butter sauce
- Steamed asparagus
- Lemongrass rice
- Chocolate soufflé w/Amaretto crème anglais

Chez Leon Menu

Call x4598 to make your reservation.

Archives

Fermilab Today

Result of the Week

Safety Tip of the Week

ILC NewsLine

Info

Fermilab Today is online at:
www.fnal.gov/today/

Send comments and suggestions to:
today@fnal.gov

and Programs webpage. In October, calves will be auctioned to other buffalo farmers in order to keep the herd size in check.

-- Kate Raiford

Accelerator Update

April 13 - 16
- Four stores provided 55 hours and 9 minutes of luminosity
- MiniBooNE auto tune problems
- I- Source extractor power supply fails
- TRF7 trips
- Recycler has damper problems

Read the Current Accelerator Update
Read the Early Bird Report
View the Tevatron Luminosity Charts

In the News

From *The New Haven Register*, April 13, 2007

Study casts new light on neutrinos

You can't see, touch, taste or smell neutrinos, but if you hold your hand out and count to three, about 3 trillion of the subatomic particles will zip through your flesh and bone. These humble particles hardly interact with matter, making them difficult to measure and study.

Now a 10-year study conducted by the U.S. Department of Energy's Fermilab outside Chicago and released Thursday is casting doubt on the current understanding of neutrinos. Yale University, and 54 other institutions in the Fermilab project, found that either the accepted model of neutrinos is wrong or the current bedrock of physics must be modified.

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Read more

The above website is the working website for the Steering Group, where you will be able to see documents, presentations, minutes of the meetings and ideas that are being discussed. If you want to contribute an idea that you feel should be explored, please write it up and send it to Deputy Director Young Kee Kim for posting.

I want to emphasize that the Steering Group is not developing a "Plan B." The challenge for the Steering Group will be to create a single integrated roadmap.

Announcements

Perfect game
All of the members of the Fermilab Wednesday night bowling league "FERMTHERMS" would like to congratulate Accelerator Division's Glenn Federwitz on bowling a perfect game March 14, 2007. This 300 game is Glenn's second of his career. He also bowled a 299 game on January 17, 2007.

Users' Office closings
The Users' Office will be closed on Thursday, April 19, and Friday, April 20. Please renew IDs or contact the Users' Officer before the closing dates. To renew your ID while the office is closed, visit the Key &ID office for a visitor's pass and access card for site access and shift work. New employees may receive a visitor's pass only from the Key & ID office for site access. For car rentals, please contact Enrique Lopez at 847-707-3643 or 630-840-4037. In an emergency, you may contact Borys Jurkiw at 630-840-4363 or by email.

LoopFest VI
Fermilab will host LoopFest IV from Monday, April 16 through Wednesday, April 18. The event is sponsored by Fermilab and by the American Linear Collider Physics Working Group on higher-order calculations at a future international linear e+e- Collider (ILC). LoopFest aims to provide a forum to coordinate activities focused on the theoretical challenges from the LHC and the ultra-high experimental precision of a future ILC. The LoopFest VI program is available online.

Upcoming Activities